

IN THE CLAIMS:

Please amend Claims 1-8 and 12-17, as follows.

1. (Currently Amended) A printing apparatus comprising:
an image forming section for forming an carrying out image formation on a recording medium using an electrophotographic method;
a fixing unit for ~~printing an image by fixing an~~ the image on the recording medium thereto by heating and pressurizing the recording medium, ~~which is transported from said image forming section;~~ with a pair of fixing ~~pressurizing rollers~~ rotation members;
a reversing mechanism for reversing the recording medium having a fixed image on its first side printed with the image, to print an image on a second side of the recording medium;
~~a paper refeed mechanism for refeeding the recording medium reversed by said reversing mechanism;~~
~~driving means for rotationally driving said image forming section and said fixing pressurizing rollers individually;~~ and
a controller for controlling the rotation of said fixing rotation members and said image forming section,
wherein, control means for temporarily stopping, when printing an image on the second side of the recording medium subsequent to printing the first side of the recording medium, said controller temporarily stops rotation ~~rotational driving~~ of said fixing pressurizing rollers by said driving means rotation members after the recording medium passes through said

fixing unit for fixing the image on the first side of the recording medium and before fixing the image on the second side of the recording medium undergoes printing.

2. (Currently Amended) The printing apparatus as claimed in claim 1, wherein said control means, when printing the second side of the a second recording medium subsequent to printing the first side of the a first recording medium, said controller does not stop stops rotational driving rotation of said fixing pressurizing rollers rotation members for at least a predetermined time after said first recording medium has passed through said fixing unit for fixing the image on the first recording medium, carries out paper refeeding after reversing the recording medium, starts the image formation of the second side and restarts the rotational driving of said fixing pressurizing rollers.

3. (Currently Amended) The printing apparatus as claimed in claim 1, wherein said control means, when printing the second side of the recording medium subsequent to printing the first side of the recording medium, said controller stops the rotation rotational driving of said fixing pressurizing rollers rotation members after said recording medium has passed through said fixing unit, carries out paper refeeding after reversing the recording medium, starts the image formation of the second side, and restarts the rotation rotational driving of said fixing pressurizing rollers rotation members previously by a period of time required for said fixing rotation members pressurizing rollers to reach a specified rotation speed by the time when the second side arrives at said fixing unit.

4. (Currently Amended) The printing apparatus as claimed in claim 1, wherein ~~said control means~~, when printing the second side of the recording medium subsequent to printing the first side of the recording medium, ~~temporarily reduces~~ a high voltage applied to an electrophotographic process is temporarily reduced after completing the image formation onto the first side of the recording medium.

5. (Currently Amended) The printing apparatus as claimed in claim 1, wherein, a rotation of said fixing rotation members is controllable independent of rotation members in said image forming section and said control means, when printing the second side of the recording medium subsequent to printing the first side of the recording medium, ~~reduces~~ a high voltage applied to an electrophotographic process is reduced and ~~stops rotational driving rotation of the rotation members in~~ said image forming section is stopped after completing the image formation onto the first side of the recording medium, and carries out paper refeeding after reversing said recording medium, restarting of the ~~rotational driving rotation of the rotation members in~~ said image forming section, and raising of the high voltage of said electrophotographic process, the restarting of the ~~rotational driving rotation of the rotation members in~~ said image forming section and the raising of the high voltage being performed previously by a period of time equal to a sum of a rising time of the rotation of the rotation members in said image forming section and a rising time of the high voltage of said electrophotographic process in order to complete the rising of the high voltage of the electrophotographic process by the time when starting an image formation of the second side.

6. (Currently Amended) The printing apparatus as claimed in claim 1, further comprising a rotary polygon mirror for exposing said image forming section to light, wherein rotational driving of said rotary polygon mirror is continued even when rotation of said fixing ~~pressurizing rollers~~ rotation members or rotation of the rotation members in said image forming section is halted subsequent to printing the first side of the recording medium and before printing the second side of the recording medium.

7. (Currently Amended) The printing apparatus as claimed in claim 1, further comprising a heater driving ~~control means~~ controller, wherein said heater driving controller ~~halts a for halting heater driving for heating of a heater in~~ said fixing ~~pressurizing rollers~~ units as long as the rotation of said fixing ~~pressurizing rollers~~ rotation members is halted, when printing the second side of the recording medium subsequent to printing the first side of the recording medium.

8. (Currently Amended) The printing apparatus as claimed in claim 1, further comprising a heater driving ~~control means~~ controller, wherein said heater driving controller ~~for carrying out heater controls a driving that of heater in said fixing unit heats so that~~ said fixing ~~pressurizing rollers~~ unit is at a first temperature in a standby mode during which printing is not performed, ~~for carrying out heater driving that heats said fixing pressurizing rollers~~ at a second temperature in a printing condition during which printing is performed, and ~~for carrying out heater driving that heats said fixing pressurizing rollers~~ at a third temperature as long as the rotation of said fixing ~~pressurizing rollers~~ rotation members is halted, when printing

the second side of the recording medium subsequent to printing the first side of the recording medium.

9. (Original) The printing apparatus as claimed in claim 8, wherein the third temperature is higher than the first temperature, and lower than or equal to the second temperature.

10. (Original) The printing apparatus as claimed in claim 1, wherein said fixing unit consists of a hot roller type fixing unit.

11. (Original) The printing apparatus as claimed in claim 1, wherein said fixing unit consists of a film heating type fixing unit.

12. (Currently Amended) A printing apparatus comprising:
an image forming section for carrying out forming an image formation on a recording medium using an electrophotographic method;
a fixing unit for printing an image by fixing an image on the recording medium thereto by heating and pressurizing the recording medium, which is transported from said image forming section, with a pair of fixing pressurizing rollers rotation members;
a reversing mechanism for reversing the recording medium having a fixed image on its first side printed with the image, to print an image on a second side of the recording medium;

~~a paper refeed mechanism for refeeding the recording medium reversed by said reversing mechanism;~~

~~a print reservation means receiver for reserving receiving a printing operation performed by said image forming section, fixing unit, reversing mechanism and paper refeed mechanism in response to a reservation instruction as to the printing operation specifying a printing condition, and for storing into a memory the printing condition of the printing operation reserved;~~

~~a print control means controller for carrying out the reserved controlling a printing operation according to the received reservation instruction under the printing condition stored in said memory; and~~

~~a decision means unit for making a decision as to whether printing of the second side of the recording medium is carried out subsequent to printing the first side of the recording medium.~~

13. (Currently Amended) The printing apparatus as claimed in claim 12, wherein said decision means unit makes a decision, when an image formation of the first side is completed, as to whether printing of the second side of the recording medium is carried out subsequent to printing the first side of the recording medium in accordance with printing condition of a next reserved printing operation.

14. (Currently Amended) The printing apparatus as claimed in claim 12, wherein said decision means unit makes a decision, when fixing of the first side is completed, as

to whether printing of the second side of the recording medium is carried out subsequent to printing the first side of the recording medium in accordance with printing condition of a next reserved printing operation.

15. (Currently Amended) The printing apparatus as claimed in claim 12, wherein said print ~~control means~~ controller further carries out:

shifting its processing to a standby mode after completing printing of the first side, when no printing ~~condition operation~~ reserved next to the printing of the first side of the recording medium is present, by dropping the high voltage of the electrophotographic process, by stopping rotational driving of said image forming section, by halting rotational driving of said fixing ~~pressurizing rollers~~ rotation members, by reducing the temperature of ~~the heater driving for heating~~ said fixing ~~pressurizing rollers~~ unit, and by stopping rotational driving of said scanner motor for carrying out scanning of said electrophotographic process;

shifting its processing to printing operation of the second side, when a printing ~~condition operation~~ reserved next to the printing of the first side of the recording medium is associated with the second side of the recording medium, by dropping the high voltage of the electrophotographic process, by stopping ~~rotational driving rotation~~ of rotation members in said image forming section, by halting ~~rotational driving rotation~~ of said fixing ~~pressurizing rollers~~ rotation members, and by reducing the temperature of ~~the heater driving for the fixing unit~~, and simultaneously with the refeeding of the second side, by restarting the ~~rotational driving rotation~~ of the rotation members in said image forming section, by raising the high voltage of the electrophotographic process, by restarting the ~~rotational driving rotation~~ of said fixing

~~pressurizing rollers~~ ~~rotation members~~, and by increasing the temperature of the heater driving for the fixing unit; and

shifting its processing to printing operation associated with the next reserved printing condition operation, when the next reserved printing condition operation at a time the printing operation of the first side of the recording medium is completed differs from a printing condition operation of the second side of the recording medium, by dropping the high voltage of said electrophotographic process without stopping the rotational driving rotation of the rotation members in said image forming section.

16. (Currently Amended) The printing apparatus as claimed in claim 15, wherein when a printing operation is impossible even though the printing condition operation reserved next to the printing of the first side of the recording medium is present, said print control means controller shifts its processing to standby mode by dropping the high voltage of the electrophotographic process, by stopping rotational driving rotation of rotation members in said image forming section, by halting rotational driving rotation of rotation members in said fixing pressurizing rollers ~~rotation members~~, by reducing the temperature of the heater driver for the fixing unit, and by stopping rotational driving rotation of said scanner motor for carrying out scanning of said electrophotographic process.

17. (Currently Amended) The printing apparatus as claimed in claim 12, further comprising heater driving control means controller, wherein said heater driving controller for halting heater a driving for heating of a heater in said fixing unit pressurizing rollers as long

as the rotation of said fixing rotation members pressurizing rollers is halted, when printing the second side of the recording medium subsequent to printing the first side of the recording medium.

18. (Original) The printing apparatus as claimed in claim 12, wherein said fixing unit consists of a hot roller type fixing unit.

19. (Original) The printing apparatus as claimed in claim 12, wherein said fixing unit consists of a film heating type fixing unit.

Please add Claims 20-27, as follows:

--20. (New) A printing apparatus comprising:
an image forming section for forming an image on a recording medium;
a fixing unit for fixing the image on the recording medium thereto by heating
and pressurizing the recording medium with a pair of fixing rotation members;
a data receiving unit for receiving data relating to a page to be printed; and
a controller for controlling a rotation of said fixing rotation members,
wherein in a case that said data receiving unit has received data relating to a next page, said controller has a first mode in which the fixing rotation members are rotated at least for a predetermined time after fixing an image of a current page, and a second mode in

which the rotation of said fixing rotation members is halted after fixing the image of the current page without waiting a predetermined time regardless of receiving data relating to the next page.

21. (New) A printing apparatus according to claim 20,
wherein the rotation of said fixing rotation members is restarted to fix an image
of the next page in the second mode after the rotation of said fixing rotation members.

22. (New) A printing apparatus according to claim 20,
wherein the second mode is selected when the current page corresponds to a
first side of the recording medium and the next page corresponds to a second side of the
recording medium.

23. (New) A printing apparatus according to claim 20,
wherein a heater of said fixing unit is turned off or said fixing unit is controlled
such that temperature thereof becomes lower in the second mode while the rotation of said fixing
rotation members is halted.

24. (New) A printing apparatus according to claim 20,
wherein said image forming section comprises a rotary polygon mirror and
rotational driving of said rotary polygon mirror is continued even when rotation of said fixing
rotation members is stopped in said second mode.

25. (New) A printing apparatus according to claim 20,
wherein data relating to a page to be printed is a reservation instruction as to a
page of printing operation specifying a printing condition.

26. (New) A printing apparatus according to claim 20,
wherein one of the first mode and second mode is further selected based on the
reservation instruction.

27. (New) A printing apparatus according to claim 20,
wherein the rotation of said fixing rotation members is controllable
independent of rotation members in said image forming section.--